

## SEQUENCE LISTING

&lt;110&gt; Novozymes A/S

&lt;120&gt; Preparation of Dough-Based Product

&lt;130&gt; 10581-WO

&lt;160&gt; 4

&lt;170&gt; PatentIn version 3.2

&lt;210&gt; 1

&lt;211&gt; 781

&lt;212&gt; DNA

&lt;213&gt; Bacillus halodurans

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (58)..(687)

&lt;220&gt;

&lt;221&gt; sig\_peptide

&lt;222&gt; (58)..(141)

&lt;220&gt;

&lt;221&gt; mat\_peptide

&lt;222&gt; (142)..(687)

&lt;400&gt; 1

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| atg | ttt | aag | ttc | gtt | acg | aaa | gtt | ttg | acg | gta | gta | att | gca | gct | aca | 105 |
| Met | Phe | Lys | Phe | Val | Thr | Lys | Val | Leu | Thr | Val | Val | Ile | Ala | Ala | Thr |     |
|     |     |     | -25 |     |     |     |     | -20 |     |     |     |     | -15 |     |     |     |

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| att | agt | ttt | tgt | ttg | agt | gca | gta | ccg | gca | agt | gct | aat | acc | tat | tgg | 153 |
| Ile | Ser | Phe | Cys | Leu | Ser | Ala | Val | Pro | Ala | Ser | Ala | Asn | Thr | Tyr | Trp |     |
|     |     | -10 |     |     |     |     | -5  |     |     |     | -1  | 1   |     |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| caa | tat | tgg | acc | gat | ggg | ggg | gga | aca | gta | aat | gct | aca | aat | gga | cct | 201 |
| Gln | Tyr | Trp | Thr | Asp | Gly | Gly | Gly | Thr | Val | Asn | Ala | Thr | Asn | Gly | Pro |     |
| 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |     |     |     | 20  |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ggg | gga | aat | tac | agt | gtg | aca | tgg | aga | gat | aca | ggg | aac | ttt | gtt | gtc | 249 |
| Gly | Gly | Asn | Tyr | Ser | Val | Thr | Trp | Arg | Asp | Thr | Gly | Asn | Phe | Val | Val |     |
|     |     |     |     | 25  |     |     |     |     | 30  |     |     |     |     | 35  |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ggg | aaa | ggc | tgg | gaa | atc | ggg | tca | cca | aat | cga | acg | atc | cat | tac | aat | 297 |
| Gly | Lys | Gly | Trp | Glu | Ile | Gly | Ser | Pro | Asn | Arg | Thr | Ile | His | Tyr | Asn |     |
|     |     |     | 40  |     |     |     |     | 45  |     |     |     |     | 50  |     |     |     |

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| gct | ggg | gtc | tgg | gaa | ccg | tct | gga | aat | gga | tat | ttg | act | ctc | tat | ggg | 345 |
| Ala | Gly | Val | Trp | Glu | Pro | Ser | Gly | Asn | Gly | Tyr | Leu | Thr | Leu | Tyr | Gly |     |
|     |     | 55  |     |     |     |     | 60  |     |     |     |     | 65  |     |     |     |     |

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| tgg | aca | agg | aat | cag | ctc | ata | gaa | tat | tat | gtc | ggt | gat | aat | tgg | gga | 393 |
| Trp | Thr | Arg | Asn | Gln | Leu | Ile | Glu | Tyr | Tyr | Val | Val | Asp | Asn | Trp | Gly |     |
|     | 70  |     |     |     | 75  |     |     |     |     | 80  |     |     |     |     |     |     |

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| act | tac | aga | cct | act | gga | acc | cat | cga | ggc | acc | ggt | gtc | agt | gat | ggg | 441 |
| Thr | Tyr | Arg | Pro | Thr | Gly | Thr | His | Arg | Gly | Thr | Val | Val | Ser | Asp | Gly |     |
| 85  |     |     |     |     | 90  |     |     |     | 95  |     |     |     |     |     | 100 |     |

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| gga | aca | tat | gac | atc | tat | acg | act | atg | cga | tac | aat | gca | cct | tcc | att | 489 |
| Gly | Thr | Tyr | Asp | Ile | Tyr | Thr | Thr | Met | Arg | Tyr | Asn | Ala | Pro | Ser | Ile |     |
|     |     |     |     | 105 |     |     |     |     | 110 |     |     |     |     | 115 |     |     |

gat ggg aca caa acg ttc caa cag ttc tgg agt gtg agg caa tcg aag 537  
 Asp Gly Thr Gln Thr Phe Gln Gln Phe Trp Ser Val Arg Gln Ser Lys  
 120 125 130

aga ccg act gga aat aac gtt agc att acg ttt agc aac cac gtg aat 585  
 Arg Pro Thr Gly Asn Asn Val Ser Ile Thr Phe Ser Asn His Val Asn  
 135 140 145

gcg tgg aga aat gca gga atg aat ctg gga agt agt tgg tct tac cag 633  
 Ala Trp Arg Asn Ala Gly Met Asn Leu Gly Ser Ser Trp Ser Tyr Gln  
 150 155 160

gta tta gca aca gaa ggc tat caa agt agc ggg aga tcg aat gta acg 681  
 Val Leu Ala Thr Glu Gly Tyr Gln Ser Ser Gly Arg Ser Asn Val Thr  
 165 170 175 180

gtt tgg tagaacgaga aagacggaat taactttctg aatattttaa aacaaatcta 737  
 Val Trp

ttgttgtagac gaacttaaga tttactcatt aagaagaatg aagc 781

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Gln Tyr Trp Thr Asp Gly Gly Gly Thr Val Asn Ala Thr Asn Gly Pro  
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Gly Gly Asn Tyr Ser Val Thr Trp Arg Asp Thr Gly Asn Phe Val Val  
 25 30 35

Gly Lys Gly Trp Glu Ile Gly Ser Pro Asn Arg Thr Ile His Tyr Asn  
 40 45 50

Ala Gly Val Trp Glu Pro Ser Gly Asn Gly Tyr Leu Thr Leu Tyr Gly  
 55 60 65

Trp Thr Arg Asn Gln Leu Ile Glu Tyr Tyr Val Val Asp Asn Trp Gly  
 70 75 80

Thr Tyr Arg Pro Thr Gly Thr His Arg Gly Thr Val Val Ser Asp Gly  
 85 90 95 100

Gly Thr Tyr Asp Ile Tyr Thr Thr Met Arg Tyr Asn Ala Pro Ser Ile  
 105 110 115

Asp Gly Thr Gln Thr Phe Gln Gln Phe Trp Ser Val Arg Gln Ser Lys  
 Page 2

120                      125                      130  
 Arg Pro Thr Gly Asn Asn Val Ser Ile Thr Phe Ser Asn His Val Asn  
                          135                      140                      145  
 Ala Trp Arg Asn Ala Gly Met Asn Leu Gly Ser Ser Trp Ser Tyr Gln  
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 Val Trp

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47

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51